CIS 51.14 Course Outline as of Spring 2008

CATALOG INFORMATION

Dept and Nbr: CIS 51.14   Title: NETWORKING PRACTICUM
Full Title: Networking Essentials - Practicum
Last Reviewed: 3/12/2001

Units			Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.50		Lecture Scheduled	2.00	12	Lecture Scheduled	24.00
Minimum	1.50		Lab Scheduled	2.00	3	Lab Scheduled	24.00
			Contact DHR	1.50		Contact DHR	18.00
			Contact Total	5.50		Contact Total	66.00
			Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 48.00   Total Student Learning Hours: 114.00

Title 5 Category: AA Degree Applicable
Grading: Grade or P/NP
Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:
Formerly: CIS 84.31A

Catalog Description:
This course will provide the student with hands"on networking practice in installing a basic operating system and adding the networking component. Identifying, assessing, and responding to problems related to maintaining and supporting the networking component will be explored using both command line and graphical user interface techniques in a networked environment. The material in this course will form a foundation of knowledge that can be expanded on by further study and experience with the UNIX, Novell NetWare and Microsoft Windows NT network operating environments.

Prerequisites/Corequisites:
Course Completion or Current Enrollment in CIS 51.15 (or CIS 84.31B)

Recommended Preparation:
Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Schedule of Classes Information:
Description: This course provides the student with hands"on networking practice in installing a basic operating system and adding the networking component to the workstation. Identifying,

assessing, and responding to problems related to maintaining and supporting the networking component will be explored.   (Grade or P/NP)
Prerequisites/Corequisites: Course Completion or Current Enrollment in CIS 51.15 (or CIS 84.31B)
Recommended: Eligibility for ENGL 100 or ESL 100
Limits on Enrollment:
Transfer Credit:
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**	Effective:	Inactive:
CSU GE:	**Transfer Area**	Effective:	Inactive:
IGETC:	**Transfer Area**	Effective:	Inactive:
CSU Transfer:	Effective:	Inactive:	
UC Transfer:	Effective:	Inactive:	

CID:

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:
The student will:
1. Install an operating system on a workstation taking into consideration hardware requirements, hard disk partitioning, installation procedures and set-up in a command line environment.
2. Demonstrate the ability to maintain and troubleshoot the operating system and the hierarchical file system.
3. Customize boot scripts and operating system parameters.
4. Manipulate the Windows Registry.
5. Demonstrate the ability to add networking support using both client/server and peer-to-peer setups.
6. Determine and demonstrate the techniques necessary for network connectivity i.e., setting up protocols, clients and other parameters in UNIX / Windows NT/Novell NetWare environments.
7. Demonstrate the ability to manage large numbers of workstations using network-cloning utilities.
8. Role-play to illustrate skill in network related technical support issues including end-user support, professionalism and ethics.
9. Demonstrate the ability to accurately document a technical procedure.

Topics and Scope:

Varies with topic.

Assignment:

1. Individual hands-on exercises to demonstrate each topic.
2. Reading approximately 30 pages weekly from the textbook.
3. Participate in class discussion topics.

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.	Writing 0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, Quizzes, Exams, Hands-on computer exercises	Problem solving 30 - 40%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

PROJECT, LAB EXERCISES	Skill Demonstrations 50 - 60%

Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, True/false, Matching items, Completion, Performance Exam(s)	Exams 10 - 20%

Other: Includes any assessment tools that do not logically fit into the above categories.

None	Other Category 0 - 0%

Representative Textbooks and Materials:
1. "Windows User's Guide to DOS - Using the Command Line in Windows 95/98" by Carolyn Z. Gillay & Bette A. Peat, 1st Edition - Franklin, Beedle & Associates, Inc. 1999
2. "A Guide to Designing and Implementing Wide Area Networks" by Michael Palmer & Bruce Sinclair, 1st Edition - Course Technology 1999